



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **16747** | Service: **DTV** | Call **WWTI** | Channel: **31 (UHF)** |
ID: | Sign:
File **0000028756**
Number:
FRN: **0009961889** | Date **09/24**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Nexstar Broadcasting, Inc.	Elizabeth Ryder 545 E. JOHN CARPENTER FREEWAY Suite 700 Irving, TX 75062 United States	+1 (972) 373-8800	eryder@nexstar. tv	Corporation

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Elizabeth Ryder <i>General Counsel</i> <i>Nexstar Broadcasting,</i> <i>Inc.</i>	Elizabeth Ryder 545 E. John Carpenter Freeway Suite 700 Irving, TX 75062 United States	+1 (972) 373- 8800	eryder@nexstar. tv

**Broadcaster
Information
and
Transition
Plan**

Question		Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.		No
Briefly describe transition plan		Replace transmitter and antenna using existing line. Acquire interim antenna and line for continued operation during construction and duration of the assigned phase. Map and analyze tower; design and implement modifications if required. See attached.

Transmitters

Section	Question	Response
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Diamond DHD10P1
	Year	2003
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	2.5 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	TMU9evo/16
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	5.8 kW
	Justification for New Transmitter	The manufacturer of the existing solid state transmitter advises that the transmitter cannot be re-tuned to the assigned channel. See attachment.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes

	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Additional Interior RF System	Interior RF System Existing Transmitter to Interim Transmission line
Transmitter HVAC	Transmitter Building HVAC system for new transmitter
Transmitter Remote Control	Transmitter Remote Control
Transmitter Installation Costs	Transmitter installation, Proof of Performance

Antennas

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	25.0 kW

Manufacturer	
Model	ALP16L4- HSW-21
Year	2003

Primary
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Circular
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	31.1 kW
	Manufacturer	
	Model	TLP-16W/VP- R

Year	2018
Justification for New Antenna	The existing primary antenna is a single channel slotted coaxial which cannot accommodate the assigned channel.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	3 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes

Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes
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**Primary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

**Interim
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	25.0 kW
	Manufacturer	
	Model	TFU-8WB-R C160
	Year	2018

	Justification for New Antenna	An interim antenna is necessary to keep station on the air during primary antenna replacement and for the duration of the assigned phase. Station will attempt to rent if renting is available at time of acquisition.
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**Interim
Antenna**

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	3 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Interim
Antenna**

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

**Primary
Transmission Line**

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Flexible Air
	Diameter	Other
	Other Diameter	2 1/4 inches
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	850 feet per run

Primary
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Flexible Air
	Diameter	3 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	875 feet per run
	Justification for New Transmission Line	Decision was made that it was easier and more cost effective to use existing line for Interim operation, then purchase new line for permanent Primary Line.

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
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PrimaryTransmission Line	3" Flexible Transmission Line Andrew HJ8-50B
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**Interim
Transmission Line**

New Transmission Line

Section	Question	Response	
New Transmission Line Costs	Use	Interim	
	Description of Use	N/A	
	Change Type	Purchase New	
	Type	Flexible Air	
	Diameter	Other inches	2 1/4 inches
	Segment Length	N/A	
	Other Segment Length		
	Number of parallel runs	1	
	Length	810 feet per run	
	Justification for New Transmission Line	An interim transmission line is necessary for the interim antenna to keep station on the air during primary antenna replacement and for the duration of the assigned phase. Station will attempt to rent if renting is available at time of acquisition.	

Interim	Other Transmission Line Expenses Not Listed
Transmission Line	Information not provided.

**Tower
Equipment
And
Rigging
Costs**

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

**Primary
Tower**

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1005424
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	43° 52' 47.0" N-
	Longitude (NAD83)	075° 43' 11.0" W-
	Overall Structure Height	1000.64 feet
	Support Structure Height	1000.64 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1496.04 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Nexstar Broadcasting, Inc.
Date Constructed	01/01/1987

**FM, AM or TV radio
broadcasters. Facility ID's,
Call Signs and Services of
other broadcast stations with
whom the tower is shared**

Facility ID	Call Sign	Service
43748	WBDR	FM

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Major Reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

**Primary
Tower**

Other Tower Expenses Not Listed
Information not provided.

**Outside
Professional**

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	277
	Explanation	Schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects. Internal accounting and Project management.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No

RF exposure measurements	No
Additional Field Engineering Service	Yes
Number of Days	17
Justification	It will be necessary to survey the site, plan the equipment, develop specifications for purchasing, and oversee multiple vendor RF projects. Station does not have available personnel or personnel trained in such services.

Outside Professional Services Costs **Other Professional Services Expenses Not Listed**

Services not provided.

**Other
Expenses**

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses	Other Expenses Not Listed Information not provided.
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Cost Information

Transmitters

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter TMU9evo/16	\$535,078.38	\$551,346.79		\$345,846.79	
Transmitter Remote Control	<i>\$506.38</i>	\$506.38	See Heartland Video quote WISQ60242	\$506.38	N/A
Transmitter Installation Costs	<i>\$72,400.00</i>	\$72,400.00	See Land Communications quote 1025	\$72,400.00	N/A
Transmitter HVAC	<i>\$16,722.00</i>	\$16,722.00	See Ontario HVAC proposal May 6, 2019	\$16,722.00	N/A
Additional Interior RF System	<i>\$140,000.00</i>	\$140,000.00	N/A	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	\$236,500.00	\$256,218.41	See Rohde & Schwarz quote 157871.1	\$256,218.41	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Sub-total	\$535,078.38	\$551,346.79	N/A	\$345,846.79	N/A

Total for all systems	N/A	N/A
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Components

Actual Information		
Description	File Name	
Transmitter Remote Control	Component Description: Transmitter remote control Amount: \$506.38	
Transmitter Installation Costs	Component Description: Transmitter installation, installment #2 Amount: \$36,200.00 Component Description: Transmitter installation, installment #1 Amount: \$36,200.00	
Transmitter HVAC	Component Description: Transmitter HVAC Amount: \$16,722.00	
Additional Interior RF System	Information not provided.	
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Transformer 3 phase/480v - 150 KVA	Information not provided.	

UHF - Air Cooled Solid State Transmitter 4 - 6 kW	<table> <tr> <td data-bbox="722 174 1026 208">Component Description:</td><td data-bbox="1161 174 1326 241">Transmitter, installment #1</td></tr> <tr> <td data-bbox="722 255 831 288">Amount:</td><td data-bbox="1161 255 1294 288">\$64,054.61</td></tr> <tr> <td data-bbox="722 396 1026 430">Component Description:</td><td data-bbox="1161 396 1326 463">Transmitter, installment #3</td></tr> <tr> <td data-bbox="722 477 831 510">Amount:</td><td data-bbox="1161 477 1294 510">\$25,621.84</td></tr> <tr> <td data-bbox="722 616 1026 649">Component Description:</td><td data-bbox="1161 616 1326 683">Transmitter, installment #2</td></tr> <tr> <td data-bbox="722 696 831 730">Amount:</td><td data-bbox="1161 696 1310 730">\$166,541.96</td></tr> </table>	Component Description:	Transmitter, installment #1	Amount:	\$64,054.61	Component Description:	Transmitter, installment #3	Amount:	\$25,621.84	Component Description:	Transmitter, installment #2	Amount:	\$166,541.96
Component Description:	Transmitter, installment #1												
Amount:	\$64,054.61												
Component Description:	Transmitter, installment #3												
Amount:	\$25,621.84												
Component Description:	Transmitter, installment #2												
Amount:	\$166,541.96												
Switchgear - industrial 800 amp	Information not provided.												

Cost Information

Antennas

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-8WB-R C160	\$87,665.00	\$93,677.60		\$60,277.60	
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	\$7,600.00	\$15,352.60	See Dielectric quote 800312CMZ attached, lines 2-5.	\$15,352.60	N/A
UHF - High Power, Side Mount, basic slot antenna, 25 kW input, directional,, horizontally polarized	<i>\$44,925.00</i>	\$44,925.00	Cost revised down from 180,000 to 44,925. See Dielectric quote 800312CMZ attached.	\$44,925.00	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Primary Antenna TLP-16W /VP-R	\$93,518.00	\$86,646.00		\$54,321.40	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 31 kW input, directional,, elliptically or circularly polarized	\$50,778.00	\$50,778.00	See Dielectric quote DMS135-2 total cost \$56,446 less vpol (\$5,668) which is an upgrade and not reimbursable	\$45,700.20	N/A
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	\$7,600.00	\$2,468.00	Cost reduced from \$7400 to \$2468 per Dielectric quote DMS135-2	\$2,221.20	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Sub-total	\$181,183.00	\$180,323.60	N/A	\$114,599.00	N/A
Total for all systems			N/A		N/A

Components

Actual Information	
Description	File Name

Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	<table> <tr> <td data-bbox="710 100 1023 293"> Component Description: Amount: </td><td data-bbox="1023 100 1428 293"> Elbow complex components, 10% balance due \$1,535.26 </td></tr> <tr> <td data-bbox="710 293 1023 584"> Component Description: Amount: </td><td data-bbox="1023 293 1428 584"> Elbow complex components, lines 2-5 of invoice, installment #2 \$6,908.67 </td></tr> <tr> <td data-bbox="710 584 1023 983"> Component Description: Amount: </td><td data-bbox="1023 584 1428 983"> Elbow complex components, lines 2-5 of invoice, installment #1 \$6,908.67 </td></tr> </table>	Component Description: Amount:	Elbow complex components, 10% balance due \$1,535.26	Component Description: Amount:	Elbow complex components, lines 2-5 of invoice, installment #2 \$6,908.67	Component Description: Amount:	Elbow complex components, lines 2-5 of invoice, installment #1 \$6,908.67
Component Description: Amount:	Elbow complex components, 10% balance due \$1,535.26						
Component Description: Amount:	Elbow complex components, lines 2-5 of invoice, installment #2 \$6,908.67						
Component Description: Amount:	Elbow complex components, lines 2-5 of invoice, installment #1 \$6,908.67						
UHF - High Power, Side Mount, basic slot antenna, 25 kW input, directional,, horizontally polarized	<table> <tr> <td data-bbox="710 983 1023 1176"> Component Description: Amount: </td><td data-bbox="1023 983 1428 1176"> Aux antenna, 10% balance due \$4,492.50 </td></tr> <tr> <td data-bbox="710 1176 1023 1467"> Component Description: Amount: </td><td data-bbox="1023 1176 1428 1467"> Aux antenna, line 1 of invoice, installment #2 \$20,216.25 </td></tr> <tr> <td data-bbox="710 1467 1023 1753"> Component Description: Amount: </td><td data-bbox="1023 1467 1428 1753"> Aux antenna, line 1 of invoice, installment #1 \$20,216.25 </td></tr> </table>	Component Description: Amount:	Aux antenna, 10% balance due \$4,492.50	Component Description: Amount:	Aux antenna, line 1 of invoice, installment #2 \$20,216.25	Component Description: Amount:	Aux antenna, line 1 of invoice, installment #1 \$20,216.25
Component Description: Amount:	Aux antenna, 10% balance due \$4,492.50						
Component Description: Amount:	Aux antenna, line 1 of invoice, installment #2 \$20,216.25						
Component Description: Amount:	Aux antenna, line 1 of invoice, installment #1 \$20,216.25						
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.						
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.						

Sweep test of existing antenna	Information not provided.	
Sweep test of existing antenna	Component Description: Amount:	Sweep test \$6,400.00
UHF - High Power, Side Mount, basic slot antenna, 31 kW input, directional,, elliptically or circularly polarized	Component Description: Amount:	Main antenna, installment #1, line 1 of invoice \$22,850.10
	Component Description: Amount:	Main antenna, installment #2, line 1 of invoice \$22,850.10
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	Component Description: Amount:	Elbow complex, installment #2, line 3 of invoice \$1,110.60
	Component Description: Amount:	Elbow complex, installment #1, line 3 of invoice \$1,110.60
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	

Cost
Information

Transmission Line

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$34,020.00	\$34,020.00		\$0.00	
Flexible Air Transmission Line - dielectric, 2 1/4"	\$34,020.00	\$34,020.00	N/A	N/A	N/A
Primary Transmission Line	\$51,626.00	\$33,095.91		\$29,785.42	
Flexible Air Transmission Line - dielectric, 3"	\$51,625.00	\$33,094.91	See Dielectric quote DMS135-2	\$29,785.42	N/A
PrimaryTransmission Line	\$1.00	\$1.00	N/A	N/A	N/A
Sub-total	\$85,646.00	\$67,115.91	N/A	\$29,785.42	N/A
Total for all systems			N/A		N/A

Components

Actual Information	
Description	File Name
Flexible Air Transmission Line - dielectric, 2 1/4"	Information not provided.

Flexible Air Transmission Line - dielectric, 3"	<table><tr><td data-bbox="699 98 1145 286">Component Description:</td><td data-bbox="1145 98 1433 286">Transmission line, installment #1, line 4 of invoice</td></tr><tr><td data-bbox="699 286 1145 376">Amount:</td><td data-bbox="1145 286 1433 376">\$14,892.71</td></tr><tr><td data-bbox="699 376 1145 564">Component Description:</td><td data-bbox="1145 376 1433 564">Transmission line, installment #2, line 4 of invoice</td></tr><tr><td data-bbox="699 564 1145 645">Amount:</td><td data-bbox="1145 564 1433 645">\$14,892.71</td></tr></table>	Component Description:	Transmission line, installment #1, line 4 of invoice	Amount:	\$14,892.71	Component Description:	Transmission line, installment #2, line 4 of invoice	Amount:	\$14,892.71
Component Description:	Transmission line, installment #1, line 4 of invoice								
Amount:	\$14,892.71								
Component Description:	Transmission line, installment #2, line 4 of invoice								
Amount:	\$14,892.71								
PrimaryTransmission Line	Information not provided.								

Cost
Information

Tower Equipment and Rigging Costs

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$657,800.00	\$625,000.00		\$6,700.00	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	N/A	\$6,700.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A
Sub-total	\$657,800.00	\$625,000.00	N/A	\$6,700.00	N/A
Total for all systems			N/A		N/A

Components

Actual Information	
Description	File Name

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Component Description: Amount: Tower mapping \$3,250.00 Component Description: Amount: Structural analysis \$3,450.00
Major tower reinforcement /modifications	Information not provided.
Tall Tower (greater than 500')	Information not provided.

Cost Information

Outside Professional Services

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$110,581.00	\$106,075.00		\$28,946.50	
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$1,500.00	N/A
Project management of the transition	\$43,766.00	\$41,550.00	N/A	\$13,171.50	N/A
Additional Field Engineering Service, 17 Days	<i>\$34,000.00</i>	\$34,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$550.00	N/A	\$550.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$2,500.00	N/A

Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$8,225.00	Additional work needed; see both Greg Best invoice 864 and KGA invoice	\$8,225.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$3,000.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A

Sub-total	\$110,581.00	\$106,075.00	N/A	\$28,946.50	N/A
Total for all systems			N/A		N/A

Components

Actual Information Description	File Name
Prepare request for Special Temporary Authorization	Component Description: Prepare STA to operating interim facility while main facility is built out Amount: \$1,500.00
Project management of the transition	Component Description: Project management services 12.1.18 through 12.31.18 Amount: \$675.00 Component Description: Project management services 10.27.18 through 11.30.18 Amount: \$1,275.00 Component Description: Project management services 6.30.18 through 7.27.18 Amount: \$750.00 Component Description: Project management services 11.2018 Amount: \$125.00

Component Description:	Project management services 5.26.18 through 6.29.18
Amount:	\$750.00

Component Description:	Project management services, items 1 and 3 from invoice summary
Amount:	\$703.00

Component Description:	Project management services 3.30.19 through 4.26.19
Amount:	\$300.00

Component Description:	Project management services March 2019
Amount:	\$266.50

Component Description:	Project management services 3.2.19 through 3.29.19
Amount:	\$75.00

Component Description:	Project management services 6.1.19 through 6.28.19
Amount:	\$525.00

Component Description:	Project management services 4.27.19 through 5.31.19
Amount:	\$750.00

Component Description:	Project management services April 2019
Amount:	\$123.50

Component Description:	Project management services May 2019
Amount:	\$75.00

Component Description:	Project management services 12.2018
Amount:	\$50.00

Component Description:	Project management services 2.1.19 through 3.1.19
Amount:	\$150.00

Component Description:	Project management services 01.2019
Amount:	\$375.00

Component Description:	Vendor has issued a revised invoice.
Amount:	(\$1,000.00)

Component Description:	Vendor has issued a revised invoice.
Amount:	(\$1,900.50)

Component Description:	Project management services 9.29.18 through 10.26.18
Amount:	\$675.00

Component Description:	Project management services 1.1.19 through 1.31.19
Amount:	\$150.00

Component Description:	Vendor issued a revised invoice, 29360R. We will not seek reimbursement for this invoice; see offsetting deduction for invoice 26027.
Amount:	\$1,000.00

Component Description:	Vendor issued a revised invoice 29360R; we will not seek reimbursement for this invoice; see offsetting deduction for invoice 27514.
Amount:	\$1,900.50

Component Description:	Project management services 7.28.18 through 9.28.18
Amount:	\$1,875.00

	Component Description: Amount:	FCC Transition study and design \$225.00
	Component Description: Amount:	Project management services, items 6-9 and reproductions from invoice summary \$1,253.50
	Component Description: Amount:	Project management services, item 1 from invoice summary \$2,250.00
Additional Field Engineering Service, 17 Days	Information not provided.	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Component Description: Amount:	FAA Consultation, item 5 from invoice summary \$550.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Prepare and or review reimbursement form	Component Description: Amount:	Prepare reimbursement form, item 2 from invoice summary \$2,500.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	

Perform engineering study for new channel assignment and antenna development	Component Description: Perform engineering study, item 3 from invoice summary Amount: \$7,000.00
	Component Description: Engineering study for new channel assignment Amount: \$1,225.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Prepare engineering section of FCC Form 2100, item 4 from invoice summary Amount: \$3,000.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.

Cost Information

Other Expenses

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$113,157.00	\$112,607.00		\$29,826.90	
Equipment Delivery and Handling Charges	<i>\$25,000.00</i>	\$25,000.00	N/A	\$666.90	N/A
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$1,500.00</i>	\$1,500.00	N/A	N/A	N/A
Equipment Storage	<i>\$20,000.00</i>	\$20,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$28,107.00</i>	\$28,107.00	Disposal services per attached quote 19a from USA Commercial 27000.00 and Bach & Co PO 1107.00	\$27,400.00	N/A
Non-zoning permits	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$1,760.00	N/A

Sub-total	\$113,157.00	\$112,607.00	N/A	\$29,826.90	N/A
Total for all systems			N/A		N/A

Components

Actual Information	
Description	File Name
Equipment Delivery and Handling Charges	Component Description: Freight charges Amount: \$1,039.74
	Component Description: Freight charges Amount: \$540.00
	Component Description: Freight only Amount: \$126.90
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Disposal costs Amount: \$1,107.00
	Component Description: Time and materials invoice for electrical removals Amount: \$400.00
	Component Description: Disposal services Amount: \$27,000.00

Non-zoning permits	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	Notification of medical facilities \$1,760.00

Cost Information	Grand Total		
	Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems		

Reimbursement Status	Question	Response
	The facility has ceased operating on its pre-auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
		1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	Elizabeth Ryder <i>General Counsel</i> 09/24/2019

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	Elizabeth Ryder <i>General Counsel</i> 09/24/2019

Attachments